

PATENT

KE-US040474

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Attn: Mail Stop AF
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Hidesato MANO	:	Patent Art Unit: 1791
	:	
Serial No. 10/533,137	:	Examiner: Liseda FELAU
	:	
Filed: April 29, 2005	:	Confirmation No. 2300
	:	
For: RESIN COMPOSITION, TRANSFER	:	<i>Amendment After</i>
MATERIAL AND PROCESS FOR	:	<i>Final Rejection.</i>
PRODUCING SHAPED ITEM	:	

AMENDMENT UNDER 37 CFR §1.116

Assistant Commissioner of Patents
Washington, DC 20231

Sir:

In response to the December 17, 2008 Office Action, please amend the above-identified patent application as follows:

Amendments to the Claims are reflected in the Listing of Claims, which begins on page two (2) of this paper. Claims 1 and 3-9 are pending, with claim 1 being the only independent claim.

Remarks/Arguments begin on page four (4) of this paper.

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Original) A thermosetting and active energy ray curable resin composition comprising, as active constituents,
a polymer having a (meth)acryl equivalent of 100 to 300 g/eq, a hydroxyl value of 50 to 550 mg KOH/g, an epoxy equivalent of 7000 g/eq or more, and a weight-average molecular weight of 5000 to 100000, the polymer being a reaction product of the addition of a monocarboxylic acid having an unsaturated double bond to a polymer having an epoxy group, and
a heat-curing agent that is a heat-curing agent other than a compound containing one or more isocyanate groups.
2. (Cancelled)
3. (Original) The resin composition according to claim 2, wherein the polymer having an epoxy group is a homopolymer of glycidyl(meth)acrylate or a co-polymer of glycidyl(meth)acrylate.
4. (Original) The resin composition according to claim 1, wherein the heat-curing agent is one or more compounds selected from the group consisting of chelate compounds, metal alkoxides, silane coupling agents and partial hydrolysate thereof, and acid anhydrides.
5. (Original) The resin composition according to claim 1, further comprising a photopolymerization initiator.
6. (Original) A transfer material comprising a protective layer formed of a heat-crosslinking reaction product of the resin composition according to claim 1 on a releasable

base sheet.

7. (Original) The transfer material according to claim 6 further comprising an image layer and an adhesive layer in this order on the protective layer.

8. (Original) A method of producing a molded article, comprising the steps of:
adhering a transfer material according to claim 6 to a surface of a molded article;
removing the releasable base sheet; and
irradiating the surface of the molded article with an active energy ray, thereby forming a protective layer on the surface of the molded article.

9. (Original) A method of producing a molded article, comprising the steps of:
applying a transfer material according to claim 6 to the inside of a mold;
filling a cavity of the mold with a resin by injection to thereby form a molded article and adhering the transfer material to a surface of the molded article simultaneously;
removing the releasable base sheet; and
irradiating the surface of the molded article with an active energy ray to thereby forming a protective layer on the surface of the molded article.

10. (Cancelled)